

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

Application Number	10/816,197
Filing Date	March 31, 2004
First Named Inventor	DESILETS, CHARLES S.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	021356-000320US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WLS	AA	US-2002/0128592	09/12/2002	Eshel	
	AB	US-2003/0083536	05/01/2003	Eshel et al.	
	AC	US-2004/0039312	02/26/2004	Hillstead et al.	
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	AE	US-4,059,098	11/22/1977	Murdock	
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Examiner
Signature

WLS

Date
Considered

2/18/05

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			Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	2	of	3	Attorney Docket Number	021356-000320US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AKJ	BQ	US 6,039,694		03/21/2000	Larson et al.	
	BR	US 6,071,239		08/08/2000	Cribbs et al.	
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	CA	US 6,302,848		10/16/2001	Larson et al.	
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	CC	US 6,366,831		04/02/2002	Raab	
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	CK	US 6,607,498		08/19/2003	Eshel	
	CL	US 6,613,004		09/02/2003	Vitek et al.	
	CM	US 6,618,620		09/09/2003	Freundlich et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
AKJ	CN	GB	820814		09/30/1959	Univ. Illinois		<input type="checkbox"/>
								<input type="checkbox"/>

Examiner Signature	<i>William C. Dy</i>	Date Considered	2/18/05
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		Art Unit	Unassigned		
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Sheet	3	of	3	Attorney Docket Number	021356-000320US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WCS	CO	AYME et al., Occurance of transient cavitation in pulsed swatooth ultrasonic fields <i>J. Acoust. Soc. Am.</i> (1988) 84(5):1598-1605.	
	CP	BILLARD et al., Effects of Physical Parameters on High Temperature Ultrasound Hyperthermia, <i>Ultrasound in Med. & Biol.</i> (1990) 16(4):409-420.	
	CQ	CAIN et al., Concentric-Ring and Sector-Vortex Phased-Array Applicators for Ultrasound Hyperthermia, <i>IEEE Transactions on Microwave Theory and Techniques</i> , (1986) MTT-34(5):542-551.	
	CR	CHEN et al., Mechanisms of Lesion Formation in High Intensity Focused Ultrasound Therapy, <i>2002 IEEE Ultrasonics Symposium</i> , (2002) pp. 1443-1446.	
	CS	CLARKE et al., Physical and chemical aspects of ultrasonic disruption of cells <i>J. Acoust. Soc. Am.</i> (1970) 47(2):649-653.	
	CT	FJIELD et al., Design and Experimental Verification of Thin Acoustic Lenses for the Coagulation of Large Tissue Volumes, <i>Phys. Med. Biol.</i> (1977) 42:2341-2354.	
	CU	FJIELD et al., Experimental verification of the sectored annular phased array for MRI guided ultrasound surgery <i>IEEE Ultrasonics Symposium</i> (1996) pp. 1273-1276.	
	CV	FJIELD et al., The Combined Concentric-Ring and Sector-Vortex Phased Array for MRI Guided Ultrasound Surgery, <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> (1997) 44(5):1157-1167.	
	CW	FJIELD et al., In Vivo Verification of the Acoustic Model Used to Predict Temperature Elevations for MRI Guided Ultrasound Surgery, <i>1998 IEEE Ultrasonics Symposium</i> , (1998) pp. 1415-1418.	
	CX	FLYNN et al., A mechanism for the generation of cavitation maxima by pulsed ultrasound <i>J. Acoust. Soc. Am.</i> (1984) 76(2):505-512.	
	CY	FRY, Precision High Intensity Focusing Ultrasonic Machines for Surgery, <i>From the Biophysical Research Laboratory, College of Engineering, University of Illinois, Urbana, Illinois</i> , (1958) pp. 152-158.	
	CZ	FRY et al., Threshold ultrasonic dosages for structural changes in the mammalian brain <i>J. Acoust. Soc. Am.</i> (1970) 48(6):1413-1417.	
	DA	ter HAAR, Ultrasound Focal Beam Surgery, <i>Ultrasound in Med. & Biol.</i> , (1995) 21(9):1089-1100.	
	DB	HAND, Ultrasound Hyperthermia and the Prediction of Heating, <i>Ultrasound in Medicine</i> , Duck et al., Eds., Chapter 8, Institute of Physics Publishing, Bristol and Philadelphia, (1998) pp. 151-157.	
	DC	KINNEY, Body contouring with external ultrasound <i>Plastic & Reconstruct. Surg.</i> (1999) 103:728-729.	
	DD	Padmaker, Thresholds and mechanisms of ultrasonic damage to 'organized' animal tissues <i>Symposium on Biological Effects and Characterizations of Ultrasound Sources</i> (1977) Hazzard et al., Eds., pp. 224-239.	
✓	DE	UMEMURA, The Sector-Vortex Phased Array: Acoustic Field Synthesis for Hyperthermia, <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , (1989) 36(2):249-257.	

Examiner Signature	<i>William C. J. J.</i>	Date Considered	2/18/05
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